



## INSIDE

- Murray Gray to lead Faculty of Grad Studies
- Share the pain fairly — NASA survey
- Noralink strengthens U of A, Athabasca ties

## Board asks for discussion paper on tenure

### General Faculties Council debates issue

By Michael Robb

The Board of Governors has asked the University's administration to prepare a discussion paper on tenure by 30 April 1994.

The Board's 5 November motion directs the administration to discuss possible Board approvals of tenure appointments, an outline of the present approval process, what happens in other jurisdictions and changes that would be required if the Board was to approve tenure appointments.

The Board expects to review the discussion paper at its May 1994 meeting. Board approvals of tenure appointments will be considered at the June 1994 Board meeting.

At the General Faculties Council meeting 29 November, Ron Bercov, GFC representative on the Board, said the motion is an indication of some Board members' view that the Board should be more involved in tenure matters. "I think there's an acceptance that we will have tenure but a wish on the part of some members of the Board to be more centrally involved on questions related to tenure."

Tom Powrie (Economics), who was a member of the Board committee that studied the question of tenure, said in the beginning there was a lot of suspicion about tenure. "But it was pleasing to be able to see the administration's patient, thorough, and clear presentation of the facts."

Vice-President (Academic) John McDonald said he spent a great deal of time last year working with members of the Board's Academic Affairs and Human Resources Committee and the Board reviewing quite a lot of material on tenure and how it works at the University of Alberta.

At the outset of the discussions, many of the public members felt that tenure was probably not a good idea and should go, said the Vice-President. "By the time the Board actually voted on tenure, they passed a series of motions that actually reaffirms the notion that tenure is valuable."

Dr McDonald said the critical issue for Board members was whether tenure gave some faculty members job security no matter how badly they were doing their job. "I think what's really in the minds of people who supported the motion was some concern about how we would deal with the financial difficulties in the future."

"One of the things the administration needs to do to reassure Board members is to talk about the process we have in place for determining how many tenurable positions we have on campus and address the question of whether we need to have tenurable positions reduced or controlled in some way that's better than we do now."

"We actually do control tenurable positions at the moment, and I think from the point of view of the Board that will turn out to be the more important issue than the actual granting of tenure. I don't think the Board wants to get

into trying to make decisions on the quality of individuals."

Asked by Acting Dean of Arts Margaret Van de Pitte whether the community would have an opportunity to discuss the issues before submitting the report, Dr McDonald said: "It will be important to me to have the assistance of various bodies, particularly Deans' Council. Yes, I will be seeking advice."

The Vice-President said he would also be investigating processes at other universities. At a fair number of universities, he pointed out, the granting of tenure is a board matter.

Sociology Professor Derek Sayer said he would be very unhappy if a redundancy and financial exigency clause was written into the Faculty Agreement without much closer specifications about what it means. "For example, if we have a shortfall in the budget of 20 percent, can we simply lay off 20 percent of our faculty across the board?"

"It seems to me that we should not rewrite the Agreement that would make that possible," Dr Sayer added that redundancy and financial exigency should be tied very closely to closure of programs.

## Garden dedicated in memory of slain students

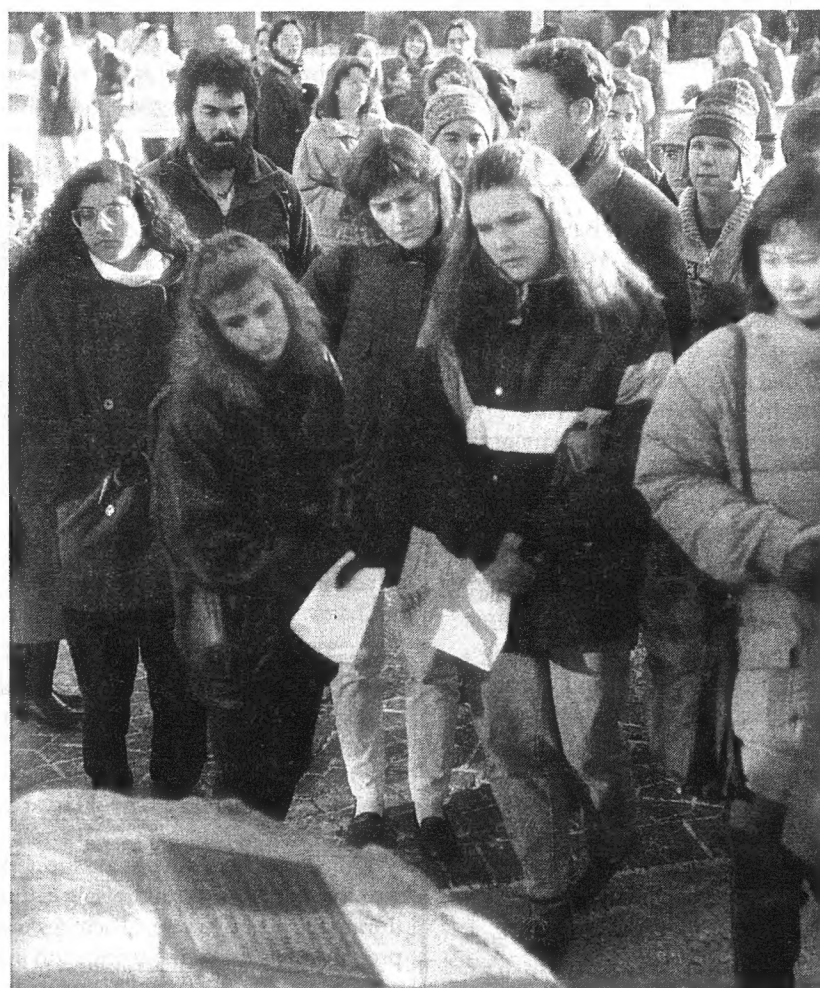
### Official from Ecole Polytechnique participates in ceremony

An invited representative from Ecole Polytechnique was here Monday—the anniversary of the 1989 killing of 14 female engineering students in Montreal—to express her thanks for the University of Alberta's thoughtful remembrances.

"On behalf of our students, I thank you for remembering and for believing that the future can bring a better world," Louise Vaillancourt-Châtillon told a small gathering at the Peace Dove.

University officials, staff and students marked the anniversary with a dedication of a garden and plaque beside the Peace Dove. The garden will contain 14 different species of flowering and ornamental shrubs.

"This [garden] will forever serve as a reminder of the importance of life and our commitment to dignity and respect. We want our campuses to be examples of freedom where everyone can contribute," said administrative director Vaillancourt-Châtillon, pointing out that that won't just happen. "We have to work relentlessly to achieve that."



Staff and students read the inscription on the plaque beside the Peace Dove. The garden and plaque will serve as a reminder of the senseless killing of 14 female engineering students in 1989, at Ecole Polytechnique.

## U of A cuts football program

### Athletics trying to save Bears

The Chair of the Department of Athletics is preparing a proposal to provide stable funding for the Golden Bear Football program in hopes of saving the team. Ian Reade says he's working with his colleagues in the department to come up with a plan which would show that stable funding is available to support the team.

According to Art Quinney, Dean of the Faculty of Physical Education and Recreation, if and when the proposal is complete, it will be considered.

Dr Quinney emphasized that the programs operated by the Department of Athletics are valued by both the Faculty and the senior administration. "Evidence of this," he said, "can be found in the 1993-94 increase in the hard operating funding to the Department of Athletics of \$82,000, an increase of 6.8 percent." Dr Quinney explained that the programs of the department are funded by a hard operating budget from the University based on an athletic fee of \$62 per full-time student and revenues from programs which cover more than 50 percent of the expenditures of Athletics. He added that the athletic fee provides resources for programs offered by the department and contributes to the operation of the Van Vliet Centre for free time recreational use by students.

Continued on page 2

## BEARS SITUATION IN REVIEW

### January 1991- Athletics Department cuts funding for football program

#### 1991

- Football Alumni commit to reestablishing program
- Agreement between Faculty and alumni signed for three years
- Alumni agrees to raise \$300,000 in short term to stabilize team for two years; goal of the first year to create an endowment fund
- University agrees to provide \$90,000 over three years

#### 1992

- Alumni realize shortfall in their goal
- Alumni ask University to give more funding
- President agrees and gives money from the President's contingency fund

#### 1993

- Dean asks Vice-President (Academic) for increased funding for football program
- VP (Academic) denies further funding
- Dean says program would be cut
- Alumni approach Board members individually
- Agreement between alumni and Faculty reviewed
- Board members take the issue to Board Finance Committee which in turn takes it to full Board for discussion and resolution

#### December 1993

- Board accepts senior administration recommendation to close the program
- Athletics Chair initiates proposal regarding commitment to stable funding for football program
- Faculty commits to statement after consideration of new proposals



# Murray Gray takes up decanal duties

By Michael Robb

Society keeps raising the ante. First, a Grade 6 education was all people needed for a lifetime of work. Then, Grade 12 was the standard. Now, some kind of postsecondary education is a virtual must if people are to find meaningful work. And in some fields, people are going to need some sort of post-undergraduate education to meet employers' needs.

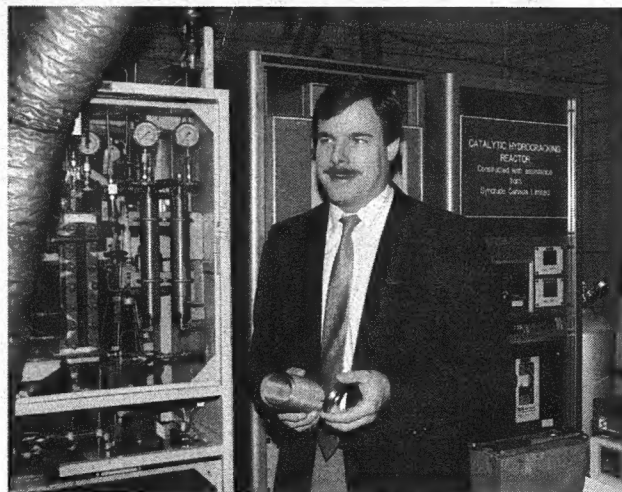
The general public has to understand that progression and realize that it will be increasingly important for the University of Alberta to sustain quality graduate programs in a multitude of disciplines, says Murray Gray, who has been appointed Dean of the Faculty of Graduate Studies and Research.

Dr Gray, who currently chairs the Department of Chemical Engineering, moves to the Dean's office 1 January 1994 for an initial term of four and a half years. His appointment is at a critical time in this University's history, and follows the passage of a new strategic plan for the University.

That plan has recommended that evaluation criteria and data be collected on the University's research activities. It's on that data that resource allocations will be based. And that will mean some tough decisions will have to be made. Task force members have also directed the University to identify areas of research strength that rank among the best in Canada and internationally.

Dr Gray says, "Given a choice, I don't know whether that review and evaluation of graduate programs on campus would have been my first priority, but we're moving into a period where all the units on campus are being evaluated more and more.

"I'd like to see this in a positive light, however. I think it's positive if a chair and professors can get more information on what their



Murray Gray becomes Dean of the Faculty of Graduate Studies and Research 1 January.

department is doing well and where it can improve."

And he cautions, "I certainly hope that when we move into evaluating programs we're not just going to be counting dollars, grants, students, and research papers, because those are volume measurements and not quality measurements. Some of the quality measurements are going to depend on the individual departments, compared with their counterparts at other universities."

He thinks the quality of the graduate is very important. For example, you have to look at where graduates from PhD programs are going. Are they getting top academic positions? How are our people stacking up?

Nor is there going to be one set of criteria applied across the board, he says. And, he points out, the University wants to evaluate both graduate studies and research, and in some cases programs are doing better on the graduate education side than they are on the research side. There's a very tight coupling between the two, but that has to be considered.

Those looking for particular biases the new Dean may have won't have to do much investigative work. He's an outspoken advocate of interdisciplinary research, remarking that "One of the things I find particularly exciting about university research is the ability to pursue curiosity and interests in any direction, without a lot of boundaries. I don't see departmental or faculty organizational units as boundaries to enquiry."

## Football program

Continued from page 1

On 3 December, the Board of Governors approved a recommendation from the senior administration to cut the football program. In a statement that day, President Paul Davenport said that the Board decided "with considerable regret, that the University of Alberta could not assure stable funding for the football program in the future and that the program be closed immediately.

"The University of Alberta will face unprecedented budgetary challenges over the next several years. It has already made difficult budgetary decisions, including closing academic departments and making changes to other academic areas." The President went on to say that "In January, 1991, funding for the Golden Bears football program was deleted from the Athletics Department budget. The program managed to operate for the last three years with University funding and through our hardworking alumni and other community members. For this, we are extremely grateful."

David Wray, president of the Golden Bear Football Alumni, said the alumni will continue to support the program. "We'll contribute money and volunteer time, as we have during the past three years. That's all we can do."

Dr Gray is clear about where he stands on the issue of the development of course-based master's degrees: He doesn't believe they're the best way of meeting students' needs in many cases. Rather, he believes after-degree diploma programs can meet employees' and employers' needs in many cases. His personal view is that a master's degree should have an independent study and research component, and he's wary about debasing the MA.

His own student days were spent, first, at the University of Toronto, where he earned his BASc with honours in Chemical Engineering. Then he earned an MEng in Petroleum Engineering at the University of Calgary (1980) and a PhD in Chemical Engineering at the California Institute of Technology (1984). His research has focused on processing and upgrading of heavy oils and bitumens, bioreactor design and scaleups, and analysis of drug metabolism in the liver.

Dr Gray held a McCalla Research Professorship in 1988-89 and has been Chair of Chemical Engineering since July 1990.

Graduate students' fortunes have changed over a relatively short time. "When you increase tuition fees and not stipends, you've got serious problems," he says, believing that many people simply don't realize that many of this University's graduate programs depend heavily on graduate students and the work they do. While it's important to find ways to adequately support these students, the University will also have to decide just how many of them it can adequately support and just how large its graduate programs should be.

Dr Gray wants to meet with every department and get a better sense of the diversity of graduate programming on campus. He agrees that part of the challenge of the new job is to broaden his understanding of the institution.

Meanwhile, he'll be an integral player in the task of convincing key players in the province of the importance of graduate studies and research at the U of A. Those efforts are doomed to fail if they're aimed at the general community. They have to be much more focused, he says.

"It'll take time, energy and money but people have to understand the financial impact graduate studies has on the provincial economy. A lot of the money used to support graduate studies and research wouldn't otherwise end up in this economy and could easily go elsewhere if it wasn't for the outstanding work being conducted here, he points out.

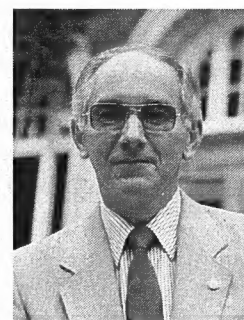
## RE Moskalyk continues as Dean of Pharmacy

RE (Richard) Moskalyk has been reappointed Dean of the Faculty of Pharmacy and Pharmaceutical Sciences.

Dr Moskalyk's reappointment, which was announced at the 3 December meeting of the Board of Governors, is for five years, from 1 July 1994 to 30 June 1999.

The goals that Dr Moskalyk has singled out as important for the Faculty over the next few years

include: recruiting the best possible candidates for Chair vacancies, investigating and recom-



Richard Moskalyk

mending to the Faculty and the University the best possible model for a graduate degree in Clinical Pharmacy, and forging more links with the pharmaceutical industry.

Noting that "biotechnology-derived drugs are the drugs of the future," the Dean says it is vital that action be initiated now to build a research capability in this very important area.

Dr Moskalyk is a graduate of the University of Saskatchewan and the University of Alberta. His academic career was preceded by a year in the pharmaceutical industry and three years with what is now Health Canada.

He was appointed to the U of A in 1963, and has served the Faculty in various capacities over the years, including terms as Assistant Dean for Undergraduate Education, Associate Dean and Acting Dean. Dr Moskalyk has been awarded a number of academic and professional honours and awards, for example, the Squibb Award for Excellence in Teaching (1987), an Outstanding Service Award (1985), a Certificate of Honor (1984) and a Certificate of Merit from the Alberta Pharmaceutical Association, and a Commemorative 125th Anniversary medal from the Governor General of Canada (1992).

## GFC BRIEFS

### Chancellor thanked

Members of General Faculties Council, at their regular meeting 29 November, expressed their gratitude to Chancellor Sandy Mactaggart. Noting the Chancellor's many commitments to the University, President Paul Davenport said I think we should be grateful he's agreed to take on the role of chair of the board for up to six months.

There was a round of applause for the Chancellor.

### More applause for two others

GFC members also applauded the successes of two faculty members. They congratulated Jim Newton (Accounting), who has been appointed Dean of Students, effective 1 January 1994, and Anne McLellan (Law), who won the Edmonton Northwest seat in the federal election. She is now Minister of Natural Resources in the Liberal Government.

### Response to question on restructuring

In response to a written question about restructuring submitted by Earle Waugh (Religious Studies), Vice-President (Academic) John McDonald responded: "The report of the strategic planning task force, *Degrees of Freedom* ... provides the background to guide us in our future planning. I believe that restructuring can and should be initiated at Department and Faculty levels as well as centrally."

Dr Waugh stated in his question that the justification given for the major restructuring now taking place in the Faculty of Arts is invariably "central administration". Yet there seems to be no clear statement of goals or procedures guiding such restructuring. Is there an overall plan in the administration for this program? What are the academic or administrative objectives?

"The academic and administrative objective of any restructuring, whether initiated at the Department, Faculty or University level, must be to ensure that our limited resources are used to sustain quality teaching and research programs that effectively serve the needs of our students and society," stated Dr McDonald.

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# U of A, Athabasca University collaborate on Noralink

## One element of distance education modified for students' benefit

By Ron Thomas

The approximately 3,500 students who are enrolled at Athabasca University and who live in and around Edmonton are now able to get bibliographic instruction without going far afield.

Athabasca University and the University of Alberta have established a Noralink (Northern Alberta Library Information Network) connection that's helping students in their research and blurring the long-standing these-students-are-ours, those-students-are-yours pattern.

We've tended to be proprietary about our students, Chief Librarian and Director of Libraries Ernie Ingles remarked at last Friday's official opening of the Noralink office. His tossing out of a movie title, "Yours, Mine and Ours" (with Lucille Ball and Henry Fonda), was followed by the observation that "Yours" and "Mine" are prevalent; more attention needs to be paid to the "Ours."

Steve Schafer, information and extension librarian, coordinated Noralink on behalf of Athabasca University. AU is paying all ongoing costs for the one-year pilot project, and Ingles tips his cap to the university for allocating the funding in difficult economic times. The U of A supplies the space and equipment, as well as opening the doors to its librarians and expertise.

Challenges can only be overcome as postsecondary institutions in the province work together, Ingles told a group of librarians and administrators from the two universities. However, universities, despite all the rhetoric, don't join forces very often. "The actions have to catch up with the rhetoric. Here's two institutions that have come together in a concrete fashion for the greater good."

He called Noralink "a very synergistic relationship" and indicated that it could be expanded because Grande Prairie Commu-

nity College, Keyano College and Lakeland College also have a stake in it.

"Noralink is a true collaboration between the two universities," says Leslie Aitken, chief librarian at Athabasca University. The two components of Noralink are interlibrary loans and student service — Athabasca students can visit Noralink on the second floor of Cameron Library and be helped by reference librarians Linda Lowry and Lynne Murgatroyd and document delivery clerk Susan Wasson.

Noralink provides online access to Athabasca University Library collections, online access to journal indexes, instruction in the use of CD-ROM databases, rapid document delivery from Athabasca University



Ernie Ingles, Linda Lowry, Leslie Aitken, Steve Schafer and Lynne Murgatroyd, left to right, feel that Noralink stacks up pretty well.

collections, and assistance with The Gate, the U of A's online catalogue.

Aitken noted the libraries without walls concept but said that service within each other's walls is a much more tangible concept. "I see it as the way libraries will go."

"I think our students stand to gain a lot from this joint-sharing venture."

## NASA surveys membership on key issues facing employees

### Results will guide executive's discussions with University administration

When unions or employee association representatives sit down to discuss issues with employers, they're often told that they really don't represent the true sentiments of their members.

The Non-Academic Staff Association decided to find out exactly what its members think about some crucial issues facing the Association and the University. About 715 NASA members responded to the recently conducted survey.

The results will be used as the basis for a NASA proposal on cost cutting to be presented to the University administration, the Board of Governors and the provincial government, explains NASA Business Manager Mike Tamtom.

The survey found that about 88 percent of NASA members agree that the pain should be shared fairly between senior administrators, academics and other staff. Up to this point, nonacademics have lost their jobs and academics have not, said Tamtom.

And 85 percent of respondents agreed there should be no more pay cuts in future without job security commitments from the University. That finding, said Tamtom, is probably the most important. Eighty-one

percent said there should be no opening of the collective agreement on wages or benefits.

Tamtom said the results indicate that although there is a collective agreement in place, NASA members are clearly prepared to sit down and talk with the University on a variety of issues. (The current agreement has a salary reopener clause on 1 April 1994. Benefits are protected until 1 April 1995.)

An overwhelming 97 percent of the NASA respondents agreed that cooperative planning with the University must begin early in the budgeting process and at the unit level. And 78 percent agreed with the importance of exploring cost savings alternatives. The hundreds of suggestions NASA members made for saving money will be forwarded to the University administration, said Tamtom.

Seventy-nine percent opposed further privatization of NASA positions.

The respondents were evenly split on the issue of cost-sharing benefits. When asked whether NASA should consider such benefits, 44 percent agreed and 47 percent disagreed.

Asked whether they would consider no cutbacks or lower cutbacks for the lower paid members of NASA, 64 percent of the respondents agreed and 31 percent disagreed.

Vice-President (Finance and Administration) Glenn Harris said the survey provides the University with a sense of how NASA members feel about some of the issues.

"Given the size of the expenditure reductions we've got to achieve, I think there are lots of people who feel very threatened, some who may think their own jobs are at risk."

"Being under as much financial pressure as we are, will drive out bolder, more creative approaches to our problems that will be much more fundamental. I see a recognition that we have to ask ourselves more basic questions. People are willing to consider many more options than they have in the past."

We've got extraordinary financial objectives to meet and the Minister saying we have to meet them while at the same time protecting quality and accessibility, Harris said. "People realize we haven't got a hope in getting there from here without adopting a more creative approach."

He pointed out that the administration is working with NASA to implement a suggestion program in the new year.

In his 12 October memorandum, Vice-President Harris identified that one part of the solution in meeting the three-year budget targets may well have to be compensation reductions. Meantime, the government made its five percent reduction announcement. "It's clearly an expectation that the University and its employee groups will figure out a way through collective bargaining to get part of the expenditure problems under control."

"It's difficult, because it's not the sort of negotiations that we've all had much experience with, but there's nothing precluding us from reaching agreements, except our ability to work things out," he explained.

I think there's been a tendency because of the way the government has talked about this to think only in terms of wage reductions. But our compensation is made up of salaries and a wide range of benefits, and there may very well be much more to be gained in both parties' eyes by talking about ways of changing the benefits cost arrangements, Harris said, pointing out that it's these costs that have risen at rates faster than other costs.

He concluded that solutions will take a variety of forms developed in a lot of different places on campus.

## Satellite video-teleconference explores wonders of Internet

A satellite video-conference held last week is just one of a number of training sessions that will be offered on campus to people interested in learning how to use the Internet.

The University was one of about 600 sites on the continent to receive the video-teleconference, "Exploring Internet". Almost 300 people on campus registered for the session, which was designed to impart some of the features of the so-called "information superhighway".

"It really only skimmed the surface," said Doug Poff, head of the Library's Information

Technology Services, "but this is not a one-time effort."

In fact, an ongoing training program, jointly sponsored by the Library and Computing and Network Services, will have three purposes: general sessions will be offered to explain what Internet is all about; people on campus will be trained at a general level to use the Internet; and people will be trained at a subject-specific level.

The U of A is actually the hub of the Alberta regional network component of the Internet, so there's a lot of resident expertise on campus, Poff explains.

## Faculty and staff annual appeal raises more than \$460,000

As the 1993 Annual Fund nears completion, faculty and staff have shown their personal support of the University of Alberta with gifts and pledges exceeding \$460,000.

Most have chosen to give monthly by payroll deduction but many have made a one-time gift. In general, people have designated their gifts to projects within their own units. For example, faculty in the Department of English have made substantial contributions to the Writer-in-Residence program

which will soon lose its Canada Council funding.

The volunteer committee of Helen Madill, Dan Pretzlaff, Lorne Tyrrell, Tamie Heisler and Larry Wang is pleased with the results to date. "This is the first year we asked our colleagues to participate in the University's Annual Fund," explained Dr Madill. "If we show leadership as U of A employees, alumni and others in the community will be more likely to increase their financial support of the University of Alberta."



# Major force behind Nursing PhD set to retire

By Sandra Halme

Shirley Stinson, principal developer and author of the Faculty of Nursing's proposal to establish a doctoral degree in nursing, will be retiring at the end of this month. Dr Stinson's 35 years with the University are marked by a number of significant contributions to the advancement of nursing research and the preparation of nurses for executive level positions in health care agencies.

Dr Stinson, who has a joint appointment with the Faculties of Nursing and Medicine, has long been a proponent of advanced nursing education and research. She was the founding Chair of the Alberta Foundation for Nursing Research which, since its inception in 1982, has awarded more than \$3 million in grants for nursing research. Dr Stinson remembers that when she returned to campus after completing her PhD at Columbia University in 1969 "there was only one piece of nursing research being carried out. Now there are hundreds of projects being done throughout the entire province."

Asked why she returned to this University when nursing research was much more advanced in the US, she says that she had the

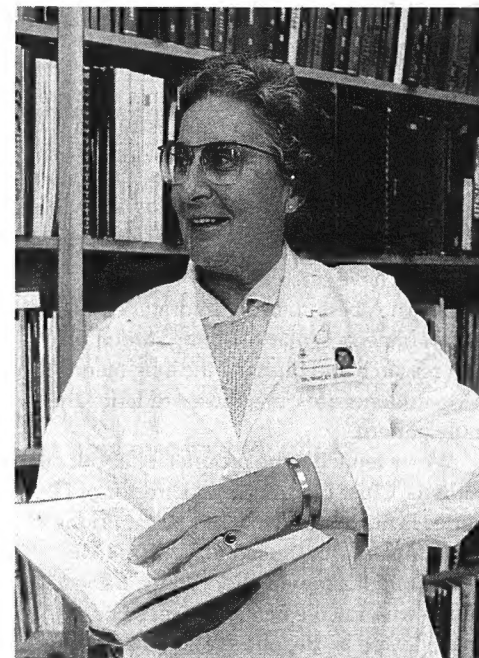
unique opportunity of being able to combine her interests in nursing administration and health services. "I had an appointment in Health Services Administration where I taught nursing administration," Dr Stinson remembers. "There was a lot to be done here and I knew I could be part of the exciting growth in the development of nursing research and education in the province and in Canada."

Her contributions and influence in the area of nursing research and teaching are recognized throughout Canada and the world. As a matter of fact, her first year of "early retirement" includes a spring term as a Visiting Professor at three universities in Australia. In the fall, she will participate in Yonsei University's international workshop on health services research.

Dr Stinson has been awarded honorary doctorates from Memorial University in Newfoundland and the University of Calgary, as well as the University of Minnesota Board of Regents' Outstanding Achievement Award. She has been listed in the *World's Who's Who of Women* since 1978 and in *Canadian Who's Who*

since 1983. Dr Stinson has several 'firsts' to her credit, including being the first woman to receive a Senior National Health Scientist Research Award and the first woman sports announcer on the then University radio station, CKUA. She is also musically inclined even though she cannot read music. "I listen to a piece of music then play it," she says. In her student days she played clarinet in the University symphony and with the Ringrose Ramblers, a Dixieland band which had gigs around campus. Dr Stinson also can strum a tune on the guitar and ukulele.

Marilynn Wood, Dean of the Faculty of Nursing, praises Dr Stinson, saying, "She has given generously of her time and energy to students and colleagues alike. Her vision will continue to inspire members of the profession long after her retirement." Dr Wood goes on to say that "Dr Stinson's influence extends well beyond the bounds of the Faculty of Nursing and the Department of Health Services Administration and Community Medicine. She is recognized by nurses and research colleagues throughout the world for her leadership in nursing administration and nursing research development."



Shirley Stinson, a leader in the field of advanced nursing education and research.

# Moon over Fort Nelson an astronomer's delight

By Ron Thomas

If a group of astronomers chose to whistle while they worked on a recent Sunday night, they could have gone with "Moon River," "Fly Me to the Moon," "Blue Moon," and so on.

The 15-member expedition, which included the University of Alberta's Doug Hube, Russ Sampson, Richard Vanderberg, Janet Couch and Krista Stefan, was set up 60 km south of Fort Nelson, B.C. Occultation and opportunity had taken them there; the occultation by the Moon of a star known as ZC646 and the opportunity to measure the polar diameter of the Moon.

The Fort Nelson group observed the apparent motion of the star relative to the Moon's north pole, while in Baja, Mexico, another group followed the star's progression at the south pole. The two sites were ideally situated for observing the phenomenon known as a graze occultation.

Using the global positioning satellite system operated by the US military, the Fort Nelson group, with the assistance of the

RCMP, established seven observing stations 300 metres apart. People at each station timed the disappearances and reappearances of the star among the mountains and valleys of the Moon about 22:38 Pacific Standard Time, 28 November.

"It went outstandingly well. We got all the data we needed," said Dr Vanderberg, teacher of political science and amateur astronomer.

The results will be sent to David Dunham of Computer Sciences Corporation in Maryland. Dunham, founder and president of IOTA (International Occultation Timing Association), will construct a model of the Moon that will satisfy the Fort Nelson and Baja observations, Dr Hube said.

If we're successful the polar diameter of the Moon will be known to a much more accurate degree than before, Dr Vanderberg said. Dual expeditions in the Philippines and Australia in 1982 and the Sudan and South Africa in 1985 used the same techniques but were unsuccessful.

Of the 15 people in the expedition, only Dr Hube, of the Department of Physics, quali-

fies as a professional astronomer. However, as Dr Vanderberg points out, the others were very knowledgeable observers who experienced several trial runs before leaving for Fort Nelson. Everyone, he said, was acutely aware that "you either get it right or you don't."

The expedition shows that nonprofessionals can make a solid contribution to science, Dr Hube told *Folio*.

He also pointed out that the people of Fort Nelson were very supportive. Besides billeting the astronomers and treating them to a civic banquet, they literally gave them the keys to the town, freeing up the town hall for the storage of equipment and cold weather clothing. The visitors' five lectures and demonstrations of telescopes, astronomical computer software and a portable planetarium attracted about 400 people or about 10 percent of the town's population.

The journal of the Royal Astronomical Society of Canada and *Sky and Telescope* are interested in publishing articles on the expedition's findings, Dr Vanderberg said.

## CURRENTS

### 'Concepts in Biosafety'

The course titled "Concepts in Biosafety" will be held 28 February to 8 March 1994. Course times are: 28 February and 1 March, 9 to 10:30 am; 2, 3 and 4 March, 9 to 10 am; 8 March (exam), 9 to 10 am.

The cost of the course is \$45 for University personnel, or \$275 for non-University personnel. All participants who successfully complete the course, that is, who pass the final exam, will receive a \$35 voucher which can be used to offset the cost of their next biosafety cabinet testing.

The course is geared towards all University staff and graduate students who expect to deal with biohazards in some fashion. It is intended to give individuals a good understanding of what biohazards are, how to manage them, the various regulations involved in their use, and the responsibilities of both the individual and administrative bodies with respect to biosafety.

The deadline for registration is 31 January 1994. For further information, call Kurt Shaw, 492,3142.

## 1994-95 KILLAM ANNUAL PROFESSORSHIPS

Notices of the competition for the 1994-95 Killam Annual Professorships were sent to all regular, continuing, full-time academic faculty members during November. *Deadline for the return of completed applications is Friday, 28 January 1994.* The awards are tenable from 1 July 1994 through 30 June 1995.

The main features of the Killam Annual Professorships are:

- The primary criterion for selection shall be a record of outstanding scholarship and teaching over three or more years, as evidenced by any or all of research, publications, creative activities, presented papers, supervision of graduate students, and courses taught. The secondary criterion shall be a substantial contribution to the community beyond the University by linking the applicant's University responsibilities and activities to community needs and/or development.
- Each Killam Annual Professor shall be awarded a \$2,500 prize and a scroll.
- All regular, continuing, full-time academic faculty members who are not on leave shall be eligible, except that no more than two Killam Annual Professorships shall be awarded to staff members in any one Faculty. The duties of Killam Annual Professors shall not be changed from those that they regularly perform.

The selection of Killam Annual professors will be done by a subcommittee of the Killam Trusts Committee. The awardees shall be announced by May 1994. The 1994-95 Killam Annual Professors will be formally recognized at the Killam Dinner in the autumn of 1994.

If any eligible faculty member did not receive an application, or would like more information, they are asked contact Katharine Moore, Executive Assistant, Office of the Vice-President (Research) at 492-0868.



The Winspear Fellows gathered at the Faculty Club recently to meet their benefactor, Francis Winspear. Dr Winspear's \$1 million gift to the Faculty in the fall of 1992 created eight fellowships. Left: Deborah Thompson, Drama; Harriet Snowball Winspear; Heather Zwicker, English; Libby Smith; Marek Jablonsky, Music; Jonathan Craig, Music; Richard Lynn, East Asian Studies; Andrew Gow, History; Esther Chu, Music; Bill Kerr, Drama; Roger Smith, Associate Vice-President (Academic); John McConnell, Vice-President (Development and Community Affairs); and Patricia Clements, Dean, Faculty of Arts.



## Microbiology, Genetics welcome industrial internship opportunity

A proposal by the Departments of Microbiology and Genetics for the establishment of an industrial internship program has been approved by General Faculties Council and the Board of Governors.

The program, now being piloted in 1993-94, is a response to the needs of students and the industrial sector, say its sponsors in the two departments.

"Our students are really excited about this, and the feedback we're getting so far from students and companies is positive," Microbiology Chair William Paranchych says.

The new program gives students who have finished the third year of their undergraduate program an opportunity to gain valuable work experience in Canadian industry. With one exception, the program is similar to cooperative programs at this and other universities. The difference is that students will not alternate several short work terms with academic terms. Instead, there will be a single work term of 16 months. The first three months will be an orientation and training period, beginning in May. That will be followed by an intensive project assignment over 13 months. That allows the students to do significant work for the company, explains Dr Paranchych.

The departments, students and companies all benefit. Students will gain extensive industrial experience and be in a better position to select their final courses, with a better understanding of the skills industry values. In fact,

they may return for their fourth year with an entirely different perspective on their program, says Dr Paranchych. The departments solidify their relations with the industrial sector. And the industrial sector has students on board for the duration of the work experience, and can possibly hire the students after they graduate.

The pilot program was started last spring at the request of a number of companies, including Biomira, SynPhar, Prairie Biologicals and the Veterinary Disease Organization. Three students were placed in May and the two departments hope to be able to place five to eight students by next year.

Genetics professor Allen Good, who will serve as the program's faculty advisor, says by next May several additional companies will be participating in the program.

The program is restricted to students registered in BSc with Honours, Microbiology or Genetics; BSc with Specialization, Microbiology or Genetics; and, the Cell Biotechnology program offered by the two departments.

It's not expected that the program will be expensive. In fact the departments forecast that the program would run at a loss for up to 10 students and at a slight profit over 10 students. Students will be expected to negotiate their salaries with the companies.

### Rutherford Award for Excellence in Undergraduate Teaching

The GFC Undergraduate Teaching Awards Committee (UTAC) reminds the University community that nominations are now being sought for the annual Rutherford Award for Excellence in Undergraduate Teaching.

The purpose of the Rutherford Award is to recognize excellent teaching, to publicize such excellence to the University and the wider community, to encourage the pursuit of excellence in teaching, and to promote informed discussion of teaching and its improvement at the University of Alberta.

Nominations are made by Faculties that teach undergraduate students, and information about the nomination procedures and adjudication criteria has been sent to those Faculties. Nominations should be made through a Faculty committee and submitted by the Faculty to the Secretary of UTAC, 2-5 University Hall. Anyone who needs assistance and advice in preparing nominations should contact Ms Bente Roed, Education Director, University Teaching Services, 215 Central Academic Building (492-2826). The deadline for receipt of award nominations is **11 February 1994**. In most cases, individual Faculties have established earlier deadlines to allow for internal adjudication procedures.

At least one award, but not more than five, is given annually. The award recipients are publicly recognized at a special occasion and at Convocation. They also receive a memento and a cash prize of \$2,500.



Michael Robb

### BELTING IT OUT

The Faculty of Education held its sixth annual Christmas celebration 1 December. Music, tree decorating and department parodies took place in the Education South main floor foyer. The event was well attended.

## Karmic connections and cooperation

With a little help from students and staff, a gift made to the Department of East Asian Studies will make it possible to provide subsidies for students going on exchanges to Asian universities.

The noted calligrapher, Shikyo Mori from Kita-Kyushu, Japan, brought an exhibition of more than 100 works to Edmonton last year. It was friendship with Bruce Laverty, a University of Alberta alumni working in Kita-Kyushu, that prompted Mori to initiate the project. In donating the works to the Department of East Asian Studies to be sold to raise funds for its activities, he said he particularly liked the idea of seeing the profits of the sale go to helping students study in Asia.

In the summer of 1994, 10 students are to study in Hokkaido at the biennial Hokkaido University Summer Session. The following summer, a group of 20 students is to go to Heilongjiang University in China. They are all

going to need help, says Sonja Arntzen, Associate Professor of East Asian Studies, noting that the department is responding by holding an exhibition and sale of Mori's works at the Bay Centre downtown.

The show will run from 10 December to 4 January. Student and staff volunteers will be on hand from 10 December, Tuesdays, Thursdays, Fridays and Saturdays during the noon hour until 23 December and then 31 December and 4 January.

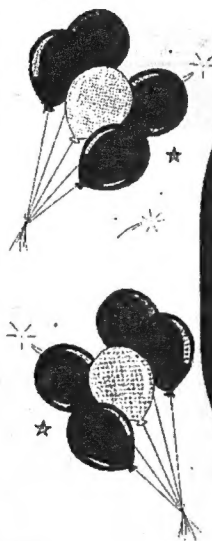
### HOLIDAY PUBLISHING SCHEDULE

*Folio's* last issue of the year will be published 17 December. The first issue of 1994 will be published 14 January.

# NASA

## New Year's Eve Party

Friday, December 31st  
Lister Hall



7:00 pm - Cocktails  
7:30 pm - Dinner  
8:30 pm - Variety Show & Dancing  
(until 2:00 am)  
11:00 pm - Late Night Snack

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## Materials Management schedules computer shutdown

At 4 pm Wednesday, 22 December, the Materials Management Department's computer system will be closed for upgrading. Service will be limited to emergency requirements as the department will be on a manual system. The department hopes to return to full operation in the first week in January and apologizes for any inconvenience that the closure may cause.

Materials Management also advises that Thursday, 16 December, is the date for the last automated cheque run by Accounts Payable before the Christmas break. The deadline for Materials Management to submit invoices to Accounts Payable for payment is Friday, 10 December, at 4 pm. All invoices must be submitted to Materials Management before this date. The first Accounts Payable cheque of the new year will be run 7 January.

## McCalla Professor probes high-temperature superconductivity

With his term as a 1992-93 McCalla Professor drawing to a close, Jack Tuszynski (Physics) is reviewing his encounters with the instabilities of multidimensional many-body structures.

It's an area, he says, that includes symmetry breaking and phase transitions, order and chaos as well as various aspects of soliton physics. "By definition," says Professor Tuszynski, "this area straddles the borderline between the microscopic (quantum) world and the macroscopic (classical) world."

Particular applications of the methods developed to deal with this class of problems involve: magnetic phase transitions, crystal lattice instabilities, liquid crystals, nonlinear diffusion and superconductivity.

During the McCalla year, Professor Tuszynski has concentrated on "coming up with a qualitatively correct description of high-temperature superconductivity which

has been one of the most active areas of physics in the past five years.

"There are lots of speculations and almost every theoretician has his own pet model or theory. I am one of them. However, with literally thousands of papers written every year in the area, it is very difficult to get the message across."

Professor Tuszynski has decided to expound his ideas in a more general fashion. "Since I believe that an essential feature of superconductors (as well as many other interesting physical systems) is their nonlinearity, I have just finished a monograph [with his English collaborators, JM Dixon and PA Clarkson] on the topic where superconductivity is described as a separate 'case study'." *From Nonlinearity to Coherence. A Study of Universal Nonlinear Features of Condensed Matter Systems* will be published by Oxford University Press.

### CAMPUS MINISTRY

13 December, 7:30 pm

Father Stephen Lacroix, "Understanding Catholicism Today—Celebrating Advent in the Church." Newman Centre, St Joseph's College.

### HISTORY

17 December, 3 pm

Habil Wolfgang Albrecht, University of Michigan, Ann Arbor, "The German Enlightenment: Literature and Social Reform." 2-58 Tory Building.

### ENVIRONMENTAL RISK MANAGEMENT SEMINAR SERIES

10 December, 3 pm

Colin G Rousseaux, Global Tox International Consultants Inc, "Toxic or Non-Toxic? A Question of Balance of Real and Perceived Risks." 2F1.04 Mackenzie Health Sciences Centre.

### FOREST SCIENCE

15 December, noon

Janusz Zwiazek, "Physiology of Seedlings in Cold Storage." 821 General Services Building.

### GENETICS

10 December, 3:30 pm

James Stone, "Genetics of Ras." G-116 Biological Sciences Centre.

### PERINATAL RESEARCH CENTRE


14 December, noon

Ruth Elliott, "Early Infant Crying/Soothing: Current Research Findings." 2J4.02 Mackenzie Health Sciences Centre.

### PHILOSOPHY

13 December, 7:30 pm

Susan Turner, "One Eye on Morality: Aristotle's Apaideutos Meets the Millian Eccentric." 4-29 Humanities Centre.

 This symbol denotes environmentally related seminars/events. If you wish to have an environmentally related event listed under this section, please contact: The Environmental Research and Studies Centre, 492-6659.

## SUPPLEMENTARY HEALTH CARE: REIMBURSEMENT CHANGE

Effective 1 January 1994, reimbursement of claims for Supplementary Health Care for both academic and support staff will be sent directly via Canada Post from Sun Life to the staff member's home or campus address. For dental claims, the staff member may make assignment of benefit to the dentist, in which case Sun Life will send the cheque directly to the dentist. Currently reimbursement cheques with campus addresses are forwarded to the Pension and Benefits Office which then distributes the cheques via the internal mail system.

There will be no change to the reimbursement of support staff dental claims. They have always been mailed via Canada Post to the dentist or directly to the staff member.

It is important to place a complete mailing address with postal code on the claim form. Failure to do so will result in lost or delayed claims payments.

## Keep cash out of the mail

"Pat" made a mistake by trying to send cash to "Dave" via the University's mail system and by not addressing the envelope properly.

This happened some time ago and the money is still being held by Barry Lofto, Distribution Manager, Materials Management Department.

Responses should be directed to him at 492-3275.

Lofto warns of the dangers of using campus mail and/or re-usable envelopes for holding money that's usually collected for hockey pools, lotto tickets, gifts, etc.

## EVENTS

### EXHIBITIONS

#### BRUCE PEEL SPECIAL COLLECTIONS LIBRARY

Until 15 January

"The Songs I Had: Poetry and Prose of the Great War"—commemorating the 75th anniversary of the end of World War I. B7 Rutherford South.

#### EXTENSION CENTRE GALLERY

Until 17 December

"Northern Exposure—Artistic Visions of Boreal Wilderness"—an exhibition of works by artists in support of the environment. Gallery hours: Monday to Thursday, 8:30 am to 8 pm; Friday, 8:30 am to 4:30 pm; Saturday, 9 am to noon. Information: 492-3034. 2-54 Extension Centre.

#### FAB GALLERY

Until 30 December

"Passage to Origins I: Joane Cardinal-Schubert"—this show will attempt to develop retrospective contexts for current as well as seminal work of the past decade produced by First Nations artists. Gallery hours: Tuesday to Friday, 10 am to 5 pm; Sunday, 2 to 5 pm; Saturday, Monday, statutory holidays, closed. 1-1 Fine Arts Building.

### McMULLEN GALLERY

Until 31 December

"Leading By Example"—an exhibition of work by instructors in the Craft Division of the Alberta College of Art, Calgary. Monday to Friday, 10 am to 4 pm; Saturday and Sunday, 1 to 4 pm, evenings subject to availability of volunteers. Information: 492-8428 or 492-4211. Mackenzie Health Sciences Centre.

### FILMS

#### GERMANIC LANGUAGES

14 December, 7:15 pm

"Marlene" (1983), an authentic portrayal of Marlene Dietrich, in black and white, German with English subtitles. 141 Arts Building.

### MUSIC

#### DEPARTMENT OF MUSIC

10 and 11 December, 8 pm

The University Symphony Orchestra, University of Alberta Concert Choir, University of Alberta Madrigal Singers Concert—Debra Cairns Ollikkala, director. Convocation Hall. Admission: \$5/adults, \$3/students and seniors.

12 December, 8 pm

Stage Band I and II Concert—Neil Corlett and Alan Gilliland, directors. John L Haar Theatre, Grant MacEwan Community College. Admission: \$5/adults, \$3/students and seniors.



University of Alberta

Campus mail only

to: Dave

from: Pat



## POSITIONS

The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

### ACADEMIC STAFF

#### DIRECTOR, DEVELOPMENT AND COMMUNITY RELATIONS, FACULTY OF BUSINESS

Reporting to the Dean, the Director, Development and Community Relations, is responsible for assisting the Dean in developing and maintaining relations with the external community, including developing and administering Faculty fundraising programs, fostering relations with Faculty alumni, acting as liaison with the Business Advisory Council, coordinating and promoting the Canadian Business Leader Award and the Canadian Business Leadership Dinner.

The ideal candidate will hold an MBA degree or equivalent, have an understanding of Faculty programs and objectives, and experience in fundraising and/or public relations. She/he will be a self-starter, able to work independently under general supervision. Strong organizational and interpersonal skills and excellent oral and written communication skills are mandatory. Appointment is for an initial two-year period with the possibility of renewal. The salary range is from \$36,000 to \$48,000. Initial salary will be based on qualifications and experience. The competition closes 17 December 1993.

Send applications to: Rodney E Schneck, Dean, Faculty of Business, University of Alberta, 4-40 Business Building, Edmonton, Alberta T6G 2R6.

### SUPPORT STAFF

To obtain information on support staff positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. You can also call the Job Information Line at 492-7205 (24 hours) or consult the weekly Employment Opportunities Bulletin.

### ACCOMMODATIONS AVAILABLE

**VICTORIA PROPERTIES** - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max, Ports West, Victoria, BC.

**MICHENER PARK** - Two bedroom rowhouses and apartments for rent in University residence located in southwest Edmonton. Excellent bus service to University, utilities included. University enquiries welcome, 492-7044.

**RENT** - Blue Quill executive bungalow in quiet crescent near Derrick Golf Course and ravines. Finished basement adds two more bedrooms. \$1,250/month. Available immediately. Western Relocation Services, 434-4629.

**RENT** - Spectacular, Strathearn Drive. Two storey, furnished, two bedroom and loft (upstairs). City view. Totally renovated. \$1,175/month. 1 December - July 1994. Western Relocation, 434-4629.

**RENT** - Windsor Park bungalow. Two bedrooms, fireplace, jacuzzi, finished basement, gorgeous yard. \$1,100/month, two-year lease. Western Relocation, 434-4629.

**RENT/SALE** - Oliver, stylish executive townhouse. Private living spaces on several levels. Offers luxurious living, must be seen! Janet Jenner Fraser, Spencer Realty, 435-0808.

**RENT** - Old Strathcona, three bedroom furnished or two bedroom unfurnished. Main floor suite. Hardwood floors, utilities included. University staff or graduate student preferred. Available immediately. 434-6287.

**RENT** - Blue Quill, furnished house. February-March 1994. \$750. 492-6703.

**RENT** - Windsor Park, three bedroom bungalow plus finished three bedroom in-law suite, single garage. Nonsmokers, no dogs. \$1,300 plus utilities. 438-3441.

**SALE** - Riverbend former show home, 1 1/2 storey plus new finishing down. 3 1/2 baths, oak cabinets, kitchen appliances, fireplace, deck, trees. \$179,000. Liz Crockford, Spencer Realty, 435-0808, 434-0555.

## ADS

**SALE** - Lansdowne Drive. Unique open beam home facing ravine. Separate master suite with adjacent study. Stone fireplaces, decking, trees, newer kitchen with patio doors. Liz Crockford, Spencer Realty, 435-0808.

**SALE** - Large, two bedroom bungalow, hardwood floors, \$137,972. Millcreek Ravine, spacious, four bedroom semi-bungalow, hardwood, \$116,972. Joe, Homelife Realty, 466-4663.

**RENT** - Belgravia semi-bungalow. Three bedrooms, two bathrooms, five appliances, garage, fenced yard. January 1994. \$1,000/month. 487-1862.

**RENT** - 1 January. Character house near University, hospitals. Hardwood floors, wood fireplace, \$650 plus utilities for appropriate couple or single person with good references. 433-4358, 434-0220.

**BED AND BREAKFAST** - Norma's Place, near Southgate. Call for rates, please. 434-6832.

**SALE** - Charming two storey, Old Strathcona. Ron, 439-3300.

**RENT/SALE** - University area, Saskatchewan Drive. Two bedrooms, two baths, highrise condo. Five appliances, underground parking, exercise room. \$850/month. February 1994. 439-4264.

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### MISCELLANEOUS

**CO-ED RECREATIONAL VOLLEYBALL** - Fridays, 7:30 pm, Glenora Community League. Skill levels: low, intermediate to expert mix on same team. If interested, call Renée, 492-5444.

## Exhibition and Sale of Calligraphy Works by Shikyo Mori of Japan

Dec. 10, 1993 - Jan. 4, 1994, The Bay Centre

Funds go to support exchange study in Asia.  
For more information, contact East Asian Studies, 492-2836.

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## December 15th Budget Forum

A budget forum will be held on Wednesday,  
December 15, 1993 from 12:00 noon - 2:00 pm  
in the Snell Auditorium, located on the first  
floor of the Walter C Mackenzie Health  
Sciences Centre. President Davenport and the  
Vice-Presidents invite all members of the  
University community to attend.

### FRENCH CLASSES

#### Evening classes

Mon. + Wed. 6:30 - 8:30 p.m.  
January 12 - March 28, 1994  
\$140.00 (40 h.) • All levels

#### Saturday morning

10:30 a.m. - 1:30 p.m.  
January 15 - March 26, 1994  
\$120.00 (36 h.) • All levels

#### Littérature française

10 mardis 7h - 21h • \$100.00  
18 janvier - 22 mars 1994  
5 étudiants maximum • Advanced

#### Civilisation française

13 mardis 18h - 19h30 • \$120.00  
13 janvier - 13 avril 1994

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